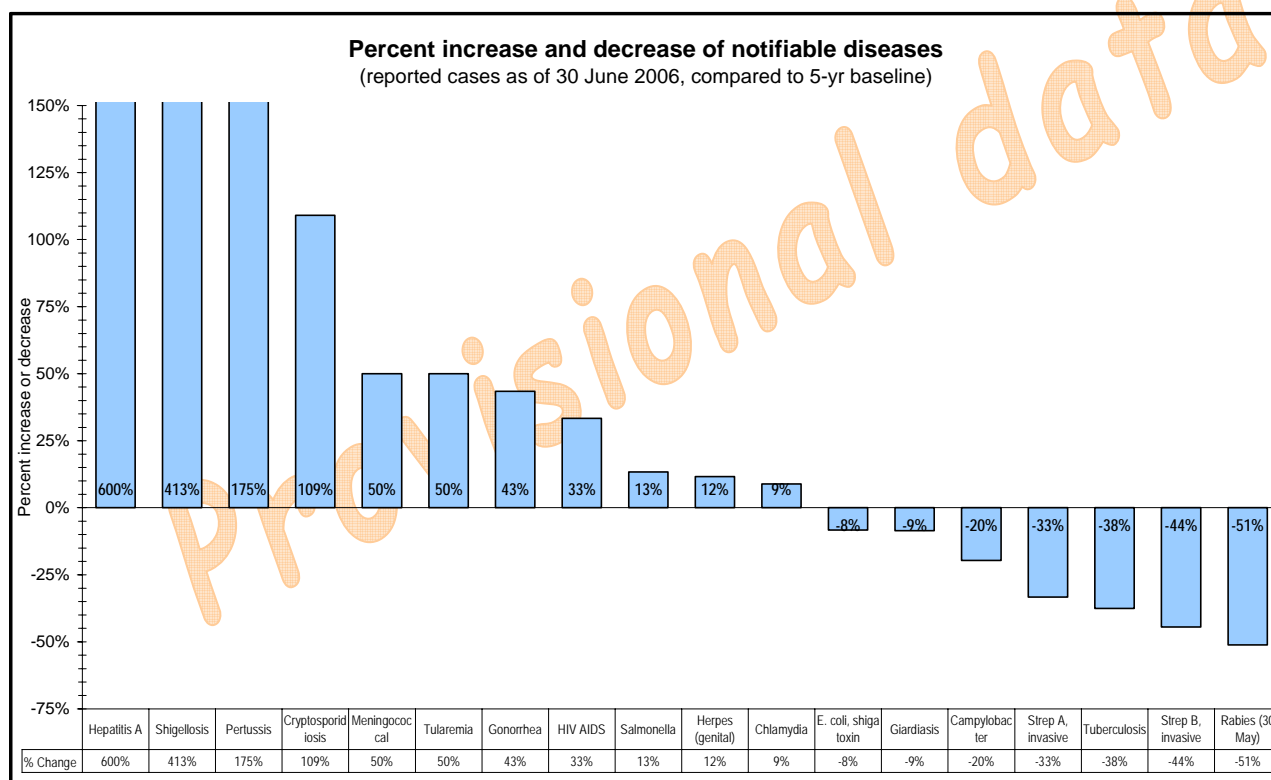


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 30 June 2006**These data are provisional.**

Disease/agent	Cases YTD	Incidence YTD	5-year median cases	Percent increase or decrease	Comments
Hepatitis A	7	0.9	1	600%	Travel associated cluster (Mexico)
Shigellosis	82	10.6	16	413%	Highest rate in Central Region
Pertussis	11	1.4	4	175%	Recent cases in Southeast Regions
Cryptosporidiosis	23	3.0	11	109%	Highest rate in Southeast Region
Meningococcal	3	0.4	2	50%	June case in Western Region
Tularemia	3	0.4	2	50%	All cases in Central Region
Gonorrhea	185	24.0	129	43%	Highest rate in Central Region
HIV AIDS	16	2.1	12	33%	Highest rate in Southeast Region
Salmonella	51	6.6	45	13%	Highest rate in Central Region
Herpes (genital)	173	22.4	155	12%	Highest rate in Southeast Region
Chlamydia	1300	168.6	1194	9%	Highest rates in Central and Western Region
E. coli, shigatoxin +	11	1.4	12	-8%	All cases East River
Giardiasis	32	4.2	35	-9%	Highest rate in Western Region
Campylobacter	78	10.1	97	-20%	Highest rate in Central Region
Strep A, invasive	6	0.8	9	-33%	Recent cases in Central and Northeast Regions
Tuberculosis	5	0.6	8	-38%	No cases reported in June
Strep B, invasive	5	0.6	9	-44%	One case reported in June
Rabies (30 May)	21	NA	43	-51%	13+ skunks, 4+ cats, 4+ cows

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>

Incidence = cases reported per 100,000 population.

***Confidential disease reporting line 1-800-592-1804**

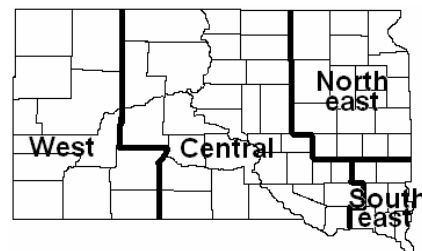
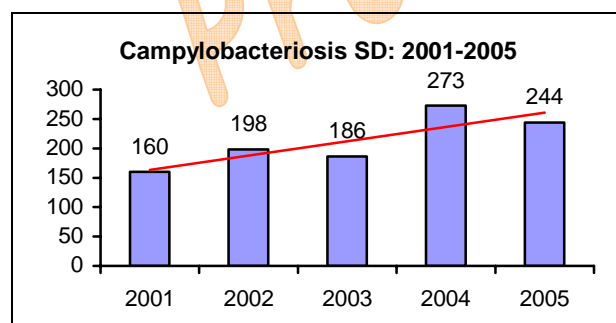
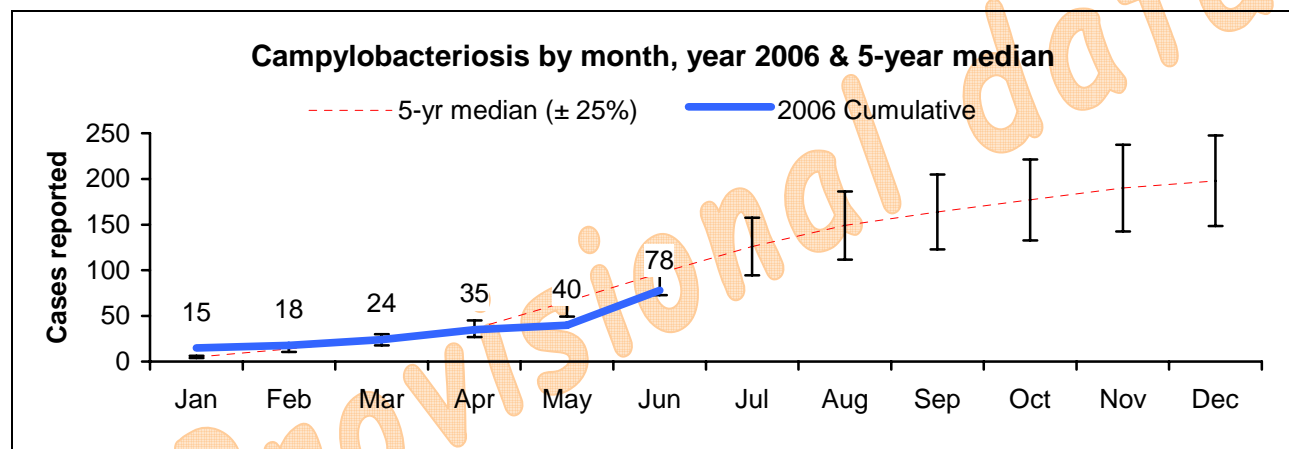
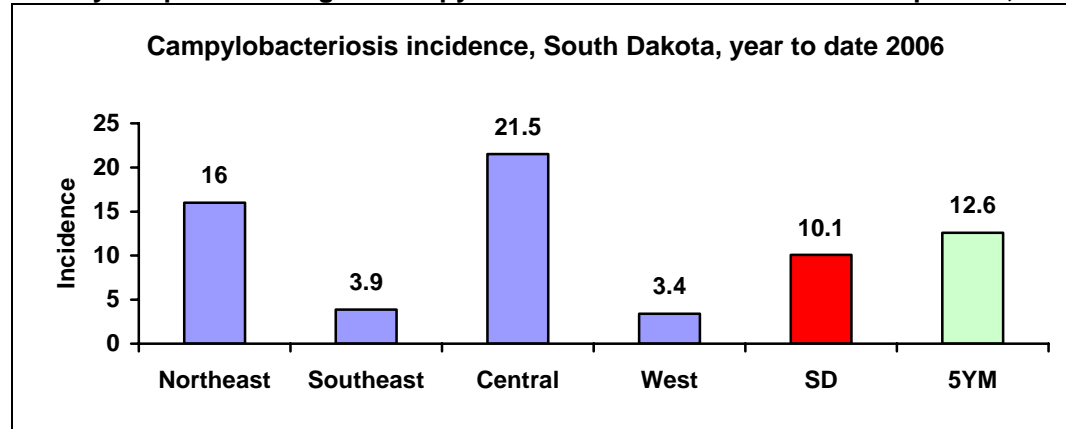
5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS

REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	29	16.0	6	0	4	5	2	12
SouthEast Region	256,093	10	3.9	1	0	1	2	1	5
Central Region	148,946	32	21.5	7	3	1	5	0	16
Western Region	189,524	7	3.7	0	0	0	0	2	5
West River	234,700	13	5.5	0	0	0	2	2	9
East River	541,233	65	12.0	14	3	6	10	3	29
South Dakota YTD	775,933	78	10.1	14	3	6	12	5	38

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



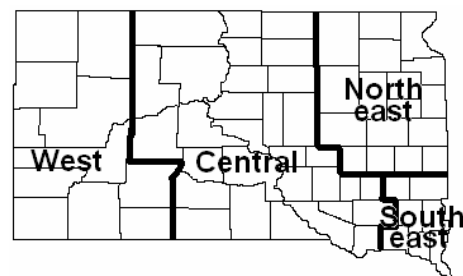
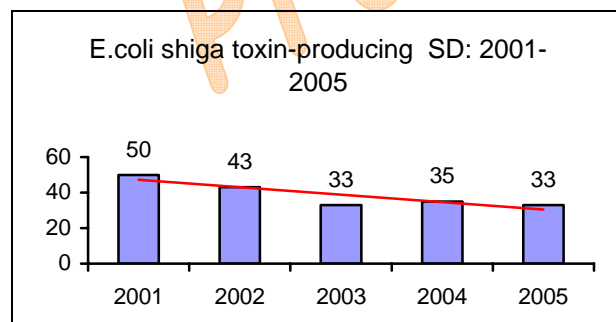
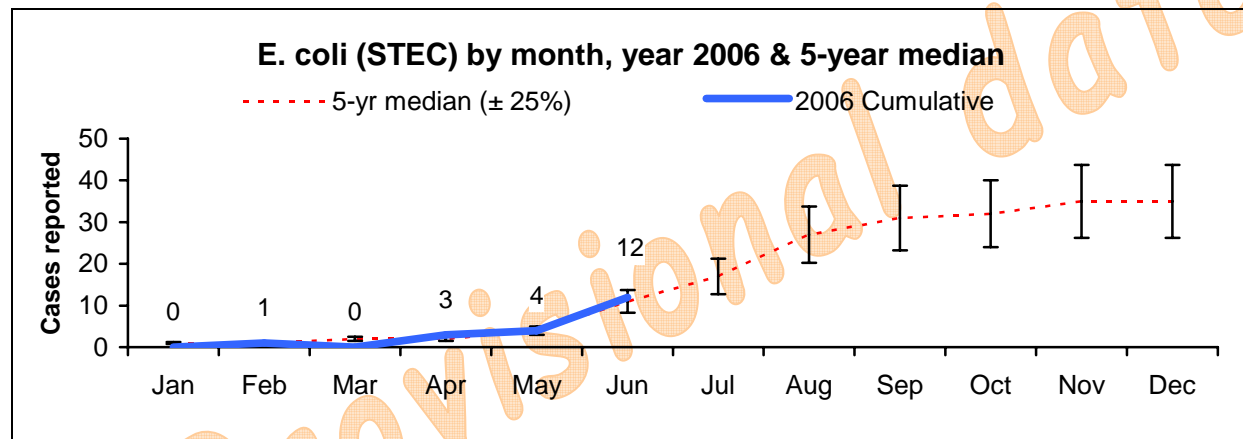
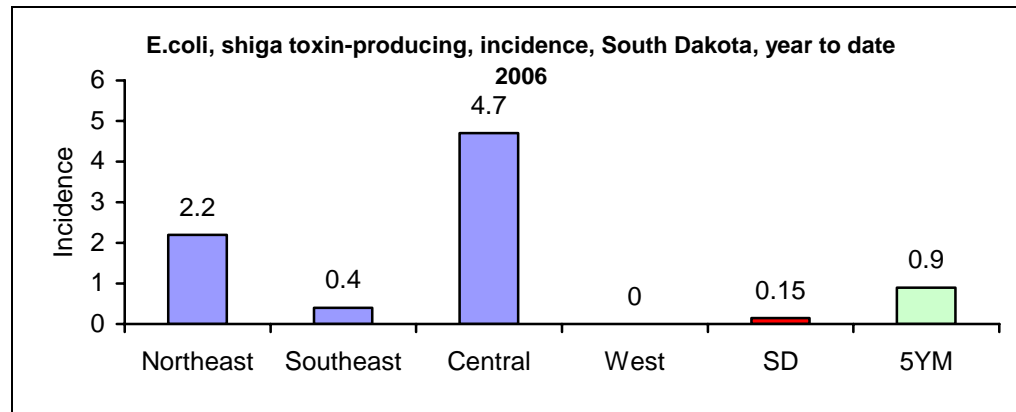
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

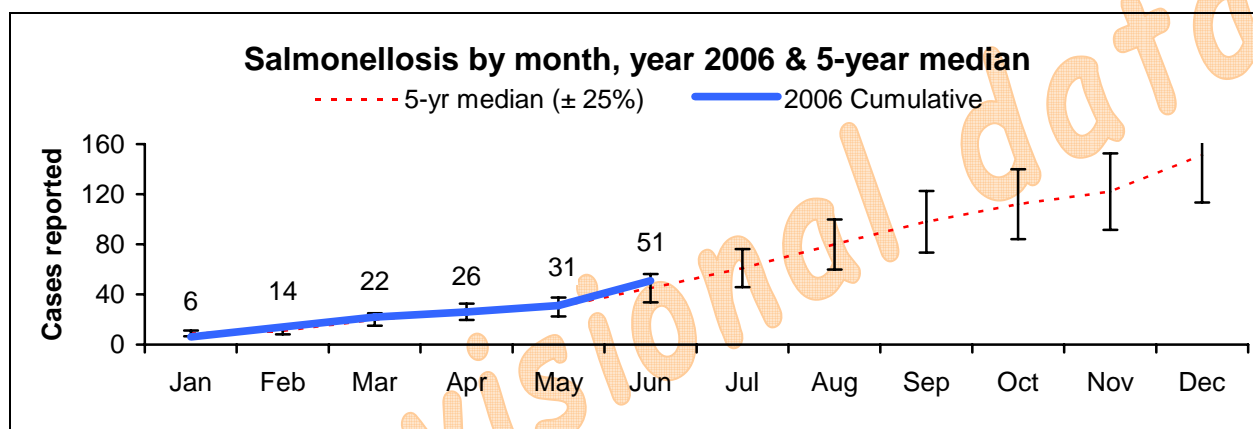
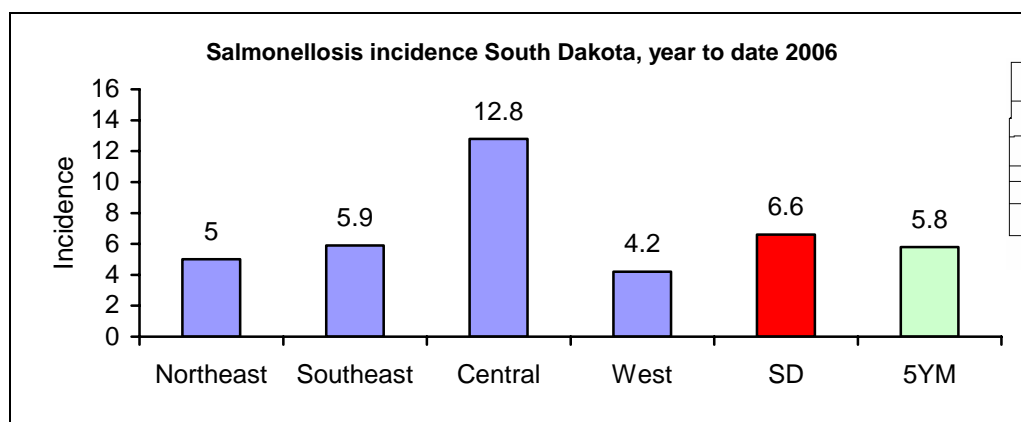
Population based on 2003 estimates

E. coli, Shiga toxin-producing									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	4	2.2	0	1	0	1	1	1
SouthEast Region	256,093	1	0.4	0	0	0	0	0	1
Central Region	148,946	7	4.7	0	0	0	1	0	6
Western Region	189,524	0	0.0	0	0	0	0	0	0
West River	234,700	0	0.0	0	0	0	0	0	0
East River	541,233	12	2.2	0	1	0	2	1	8
South Dakota YTD	775,933	12	1.5	0	1	0	2	1	8



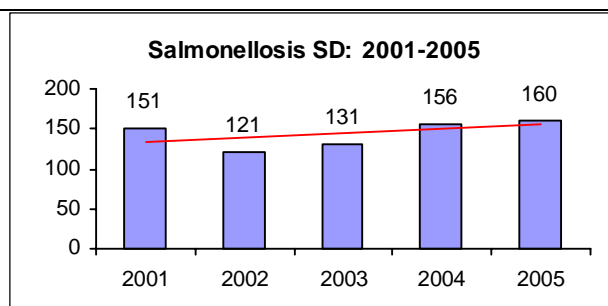
SALMONELLOSIS

Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	9	5.0	1	0	2	0	2	4
SouthEast Region	256,093	15	5.9	1	1	4	1	1	7
Central Region	148,946	19	12.8	2	5	0	3	2	7
Western Region	189,524	8	4.2	2	2	2	0	0	2
West River	234,700	14	6.0	2	7	2	0	0	3
East River	541,233	37	6.8	4	1	6	4	5	17
South Dakota YTD	775,933	51	6.6	6	8	8	4	5	20



One case of imported *Salmonella Typhi* reported.

Salmonella serotypes	TOTAL
S. enteritidis	9
S. heidelberg	3
S. montevideo	4
S. newport	3
S. typhi	1
S. typhimurium	12
Other serotypes	17
TOTAL	51



Incidence = cases reported per 100,000 population.

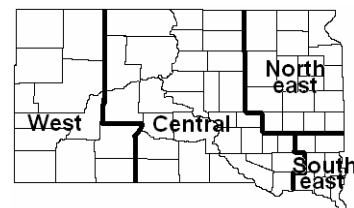
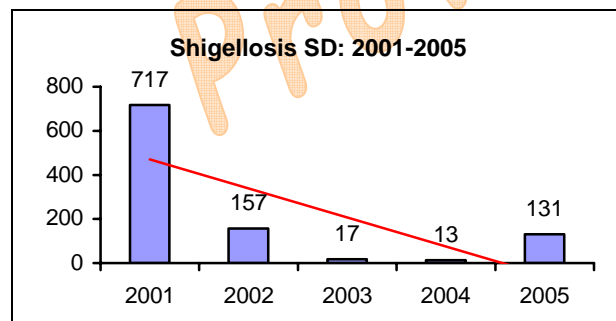
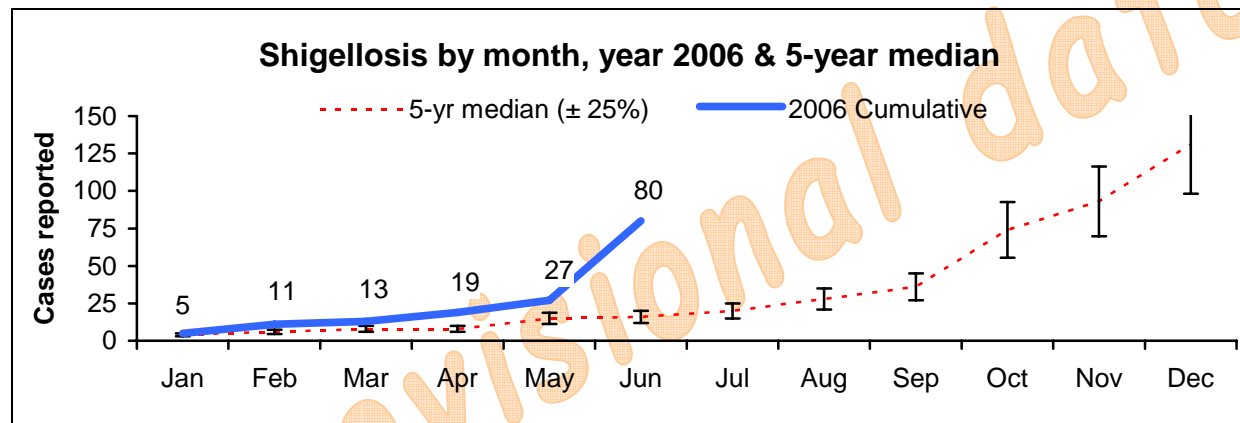
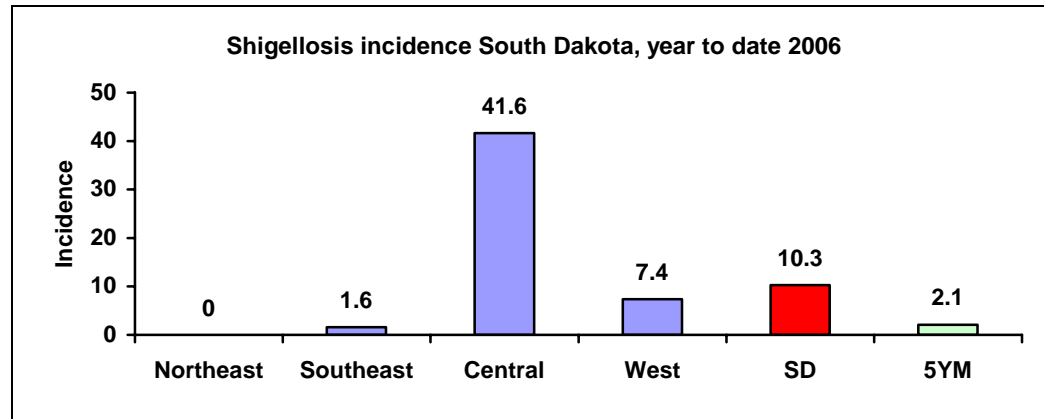
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

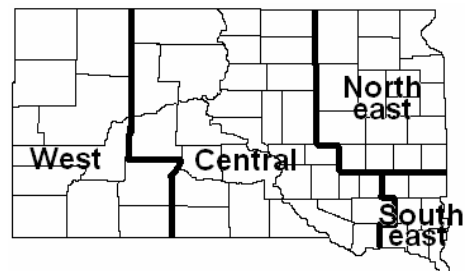
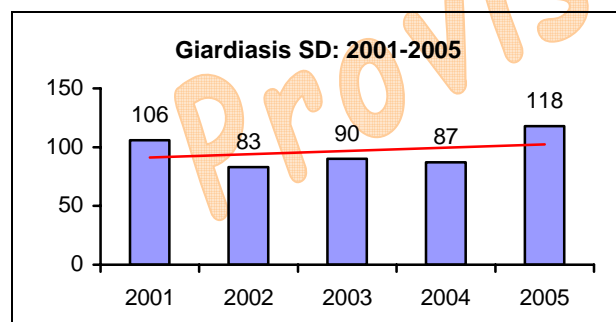
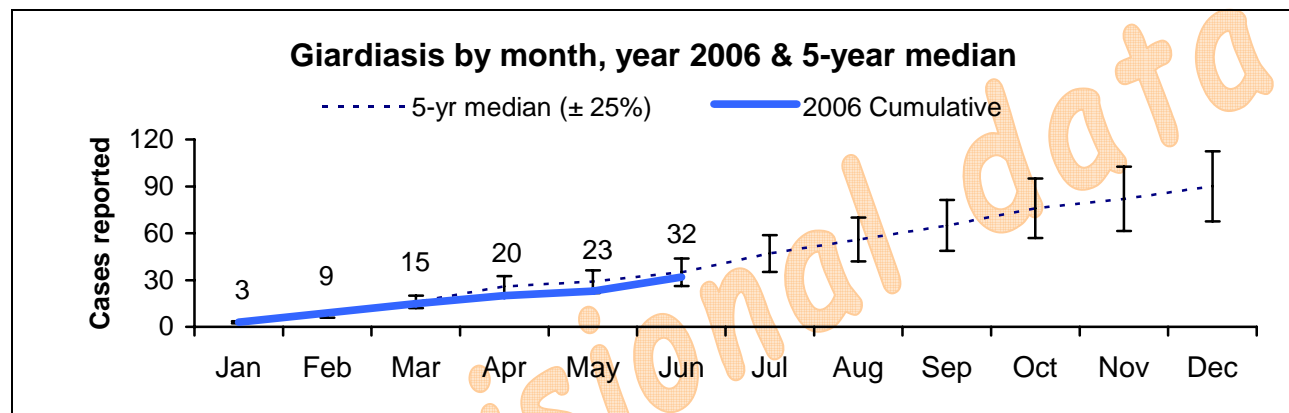
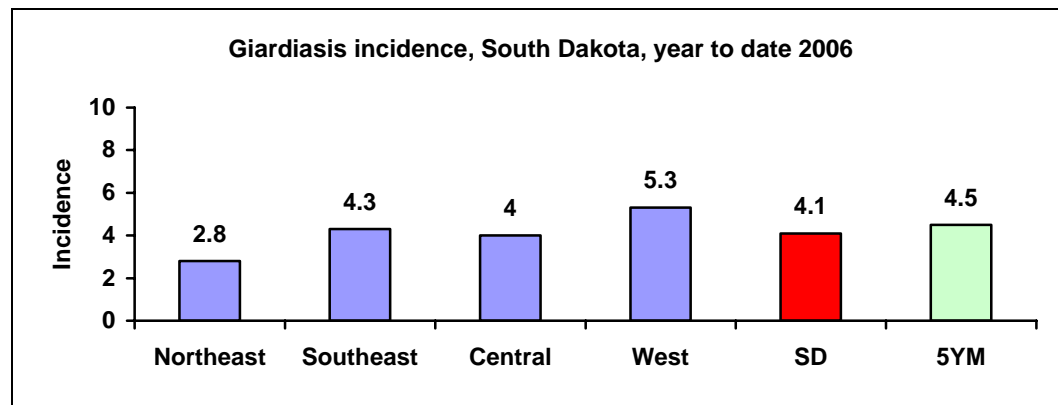
Population based on 2003 estimates

SHIGELLOSIS				#					
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	0	0.0	0	0	0	0	0	0
SouthEast Region	256,093	4	1.6	1	1	0	1	0	1
Central Region	148,946	62	41.6	4	5	0	5	6	42
Western Region	189,524	14	7.4	0	0	1	1	2	10
West River	234,700	68	29.0	3	3	1	6	8	47
East River	541,233	12	2.2	2	3	0	1	0	6
South Dakota YTD	775,933	80	10.3	5	6	1	7	8	53

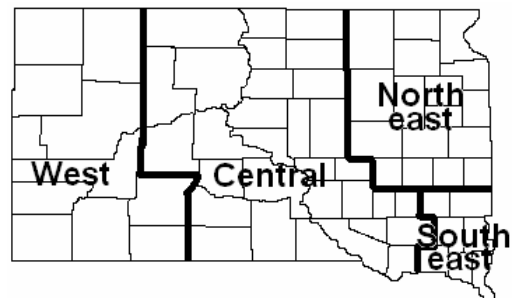
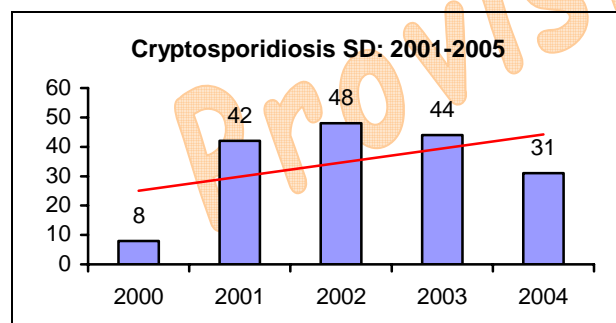
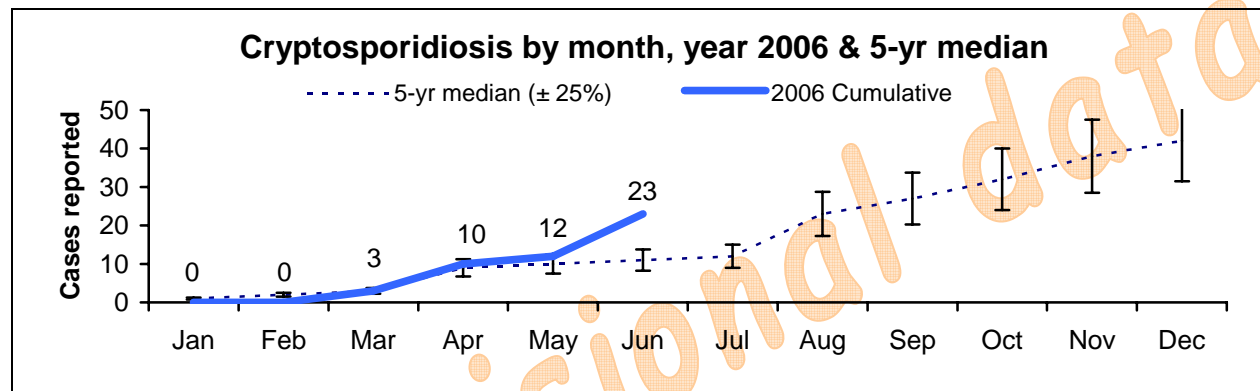
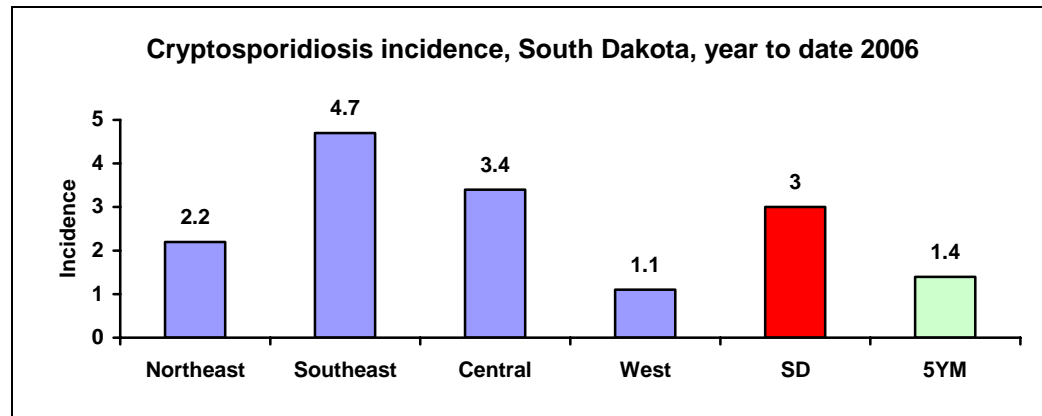
Shigella species: All *Shigella sonnei*



GIARDIASIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	5	2.8	0	2	0	0	0	3
SouthEast Region	256,093	11	4.3	0	1	2	4	2	2
Central Region	148,946	6	4.0	1	2	2	0	1	0
Western Region	189,524	10	5.3	2	1	2	1	0	4
West River	234,700	10	4.3	2	1	2	1	0	4
East River	541,233	22	4.1	1	5	4	4	3	5
South Dakota YTD	775,933	32	4.1	3	6	6	5	3	9



CRYPTOSPORIDIOSIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	4	2.2	0	0	0	0	1	3
SouthEast Region	256,093	12	4.7	0	0	3	6	1	2
Central Region	148,973	5	3.4	0	0	0	0	0	5
Western Region	189,524	2	1.1	0	0	0	1	0	1
West River	234,727	5	2.1	0	0	0	1	0	4
East River	541,233	18	3.3	0	0	3	6	2	7
South Dakota YTD	775,960	23	3.0	0	0	3	7	2	11



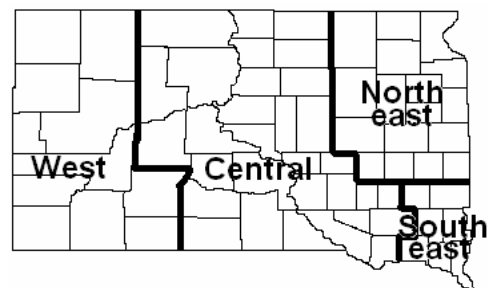
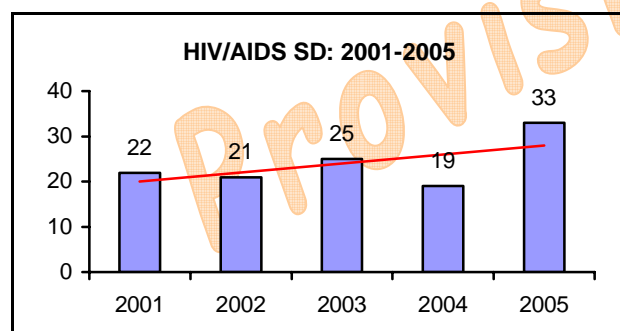
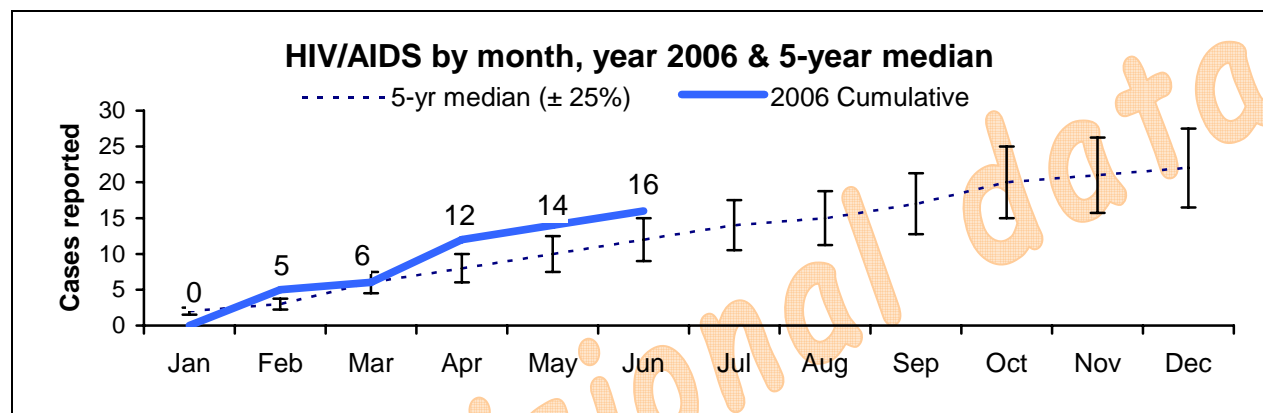
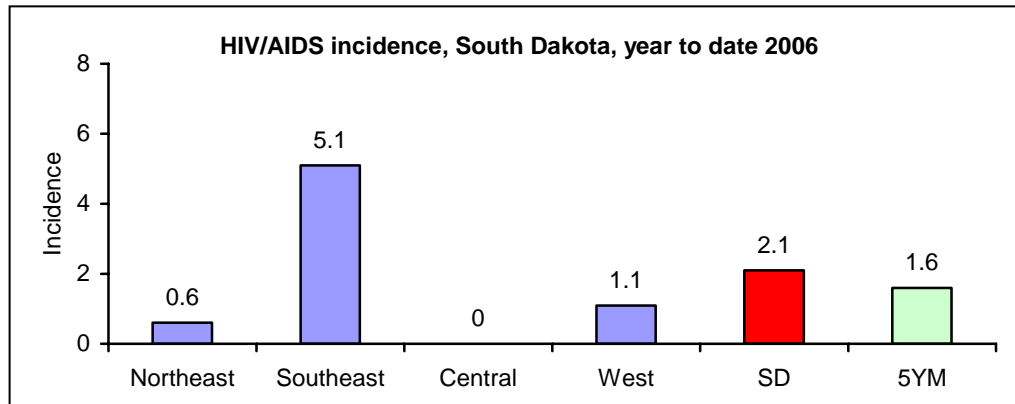
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

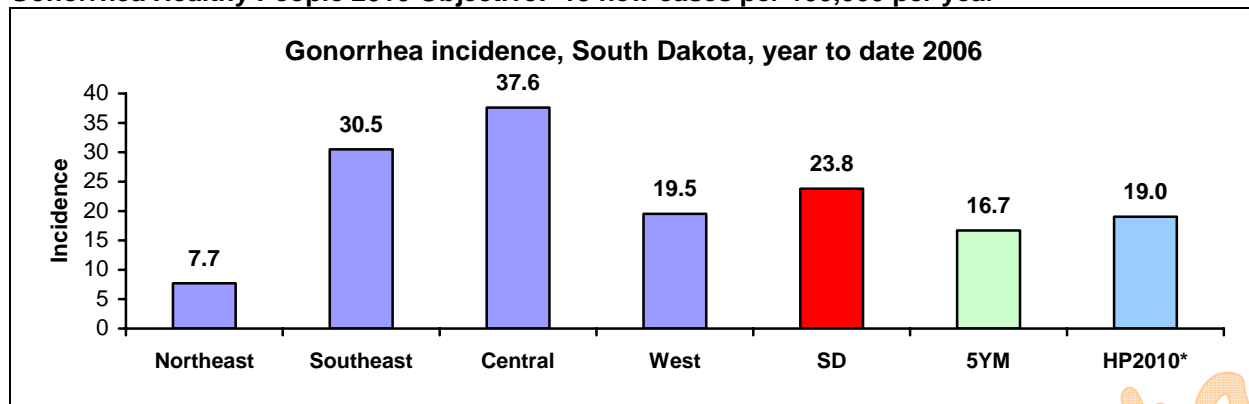
Population based on 2003 estimates

HIV / AIDS		#								
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	
NorthEast Region	174,471	1	0.6	0	1	0	0	0	0	
SouthEast Region	256,093	13	5.1	0	4	1	5	1	2	
Central Region	155,845	0	0.0	0	0	0	0	0	0	
Western Region	189,524	2	1.1	0	0	0	1	1	0	
South Dakota YTD	764,309	16	2.1	0	5	1	6	2	2	

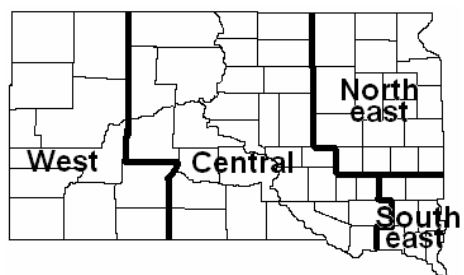
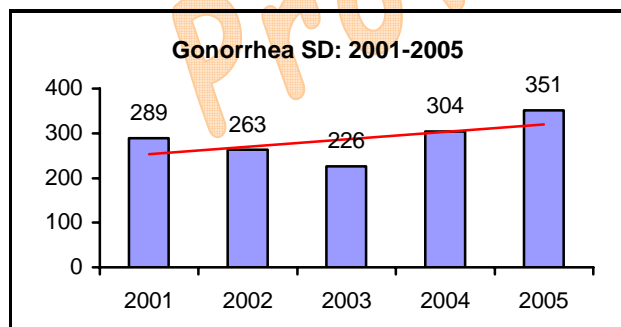
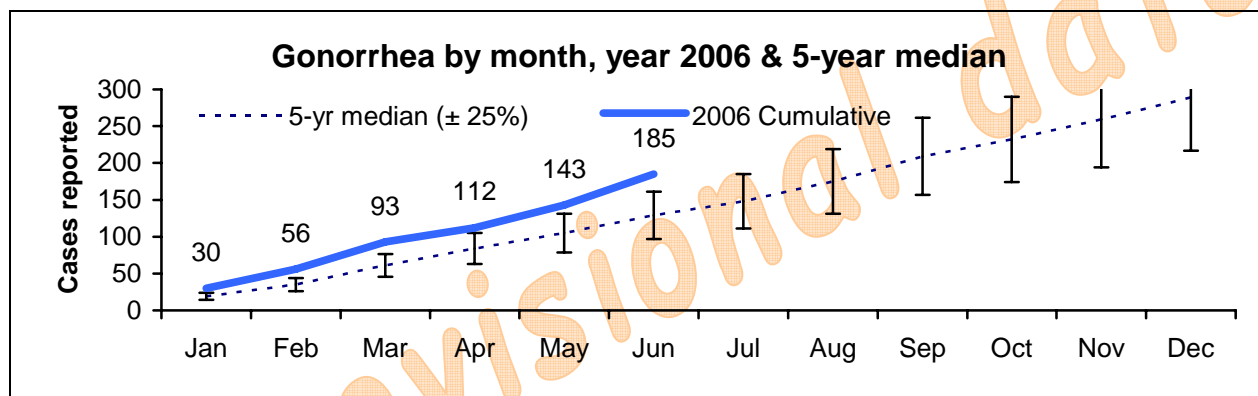


GONORRHEA									
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	14	7.7	1	2	1	2	2	6
SouthEast Region	256,093	78	30.5	8	6	22	9	16	17
Central Region	148,946	56	37.6	14	10	9	6	7	10
Western Region	189,524	37	19.5	7	8	4	3	6	9
West River	234,700	79	33.7	17	14	12	9	10	17
East River	541,233	106	19.6	13	12	24	11	21	25
South Dakota YTD	775,933	185	23.8	30	26	36	20	31	42

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



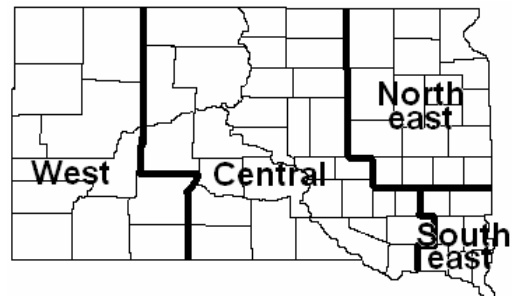
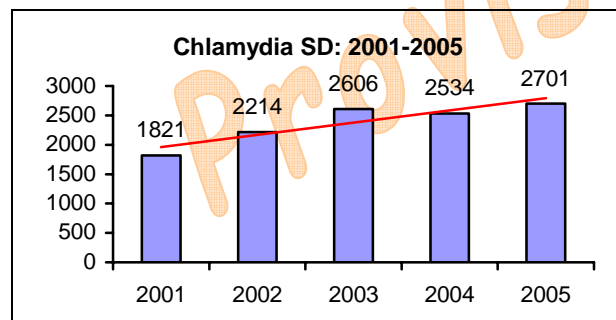
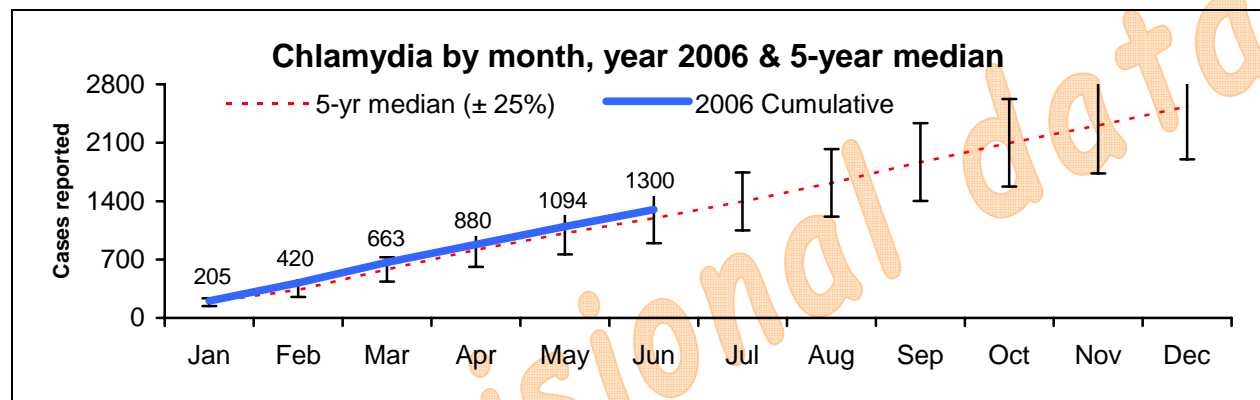
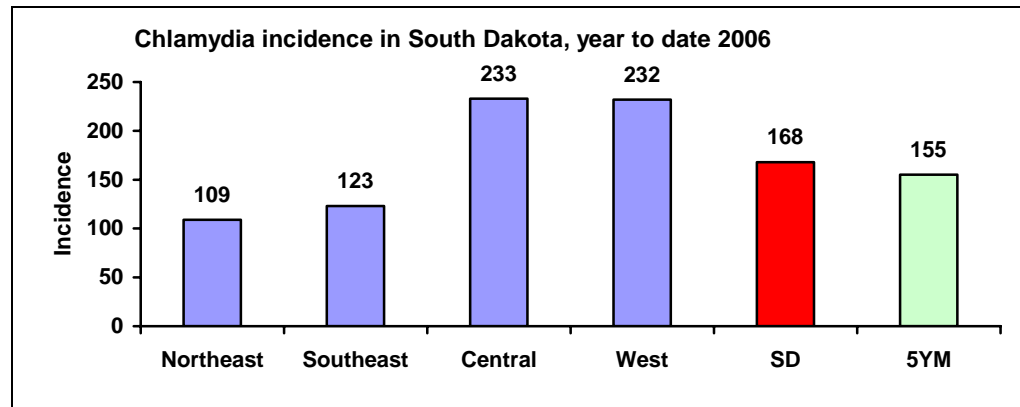
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

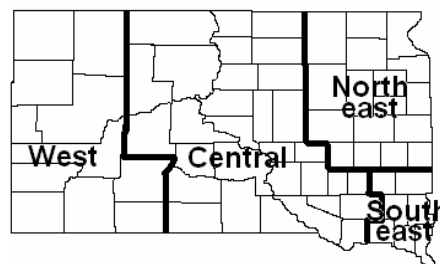
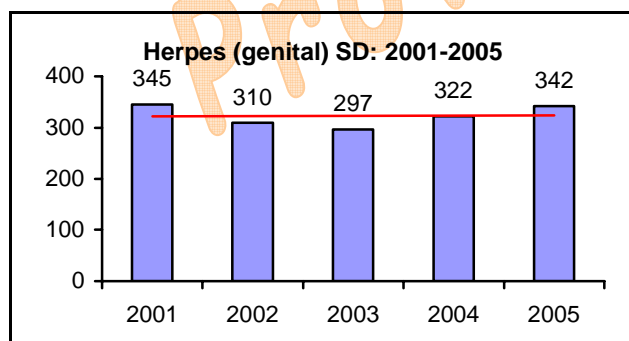
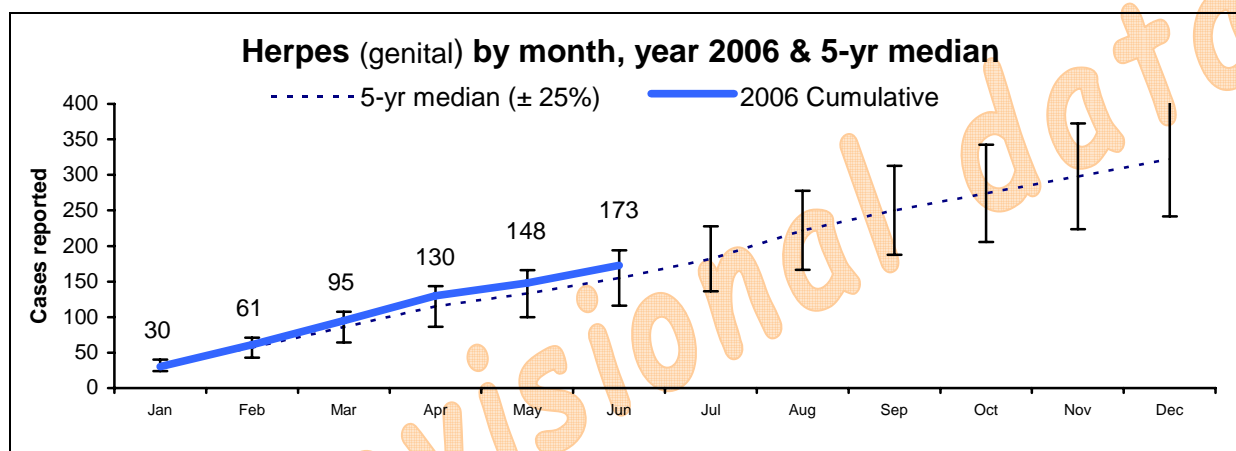
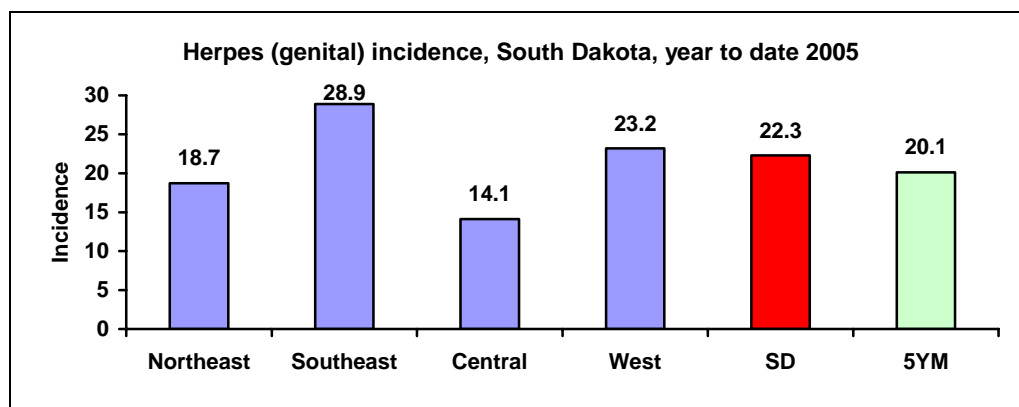
5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	198	109.2	18	35	37	41	41	26
SouthEast Region	256,093	315	123.0	50	51	66	38	50	60
Central Region	148,973	347	232.9	60	55	73	52	51	56
Western Region	189,524	440	232.2	77	74	67	85	73	64
West River	234,727	659	280.8	111	108	110	125	110	95
East River	541,233	641	118.4	94	107	133	91	105	111
South Dakota YTD	775,960	1,300	167.5	205	215	243	216	215	206



GENITAL HERPES				#						
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	
NorthEast Region	181,370	34	18.7	5	8	9	6	3	3	
SouthEast Region	256,093	74	28.9	13	14	17	13	7	10	
Central Region	148,973	21	14.1	4	1	5	6	2	3	
Western Region	189,524	44	23.2	8	7	3	11	6	9	
West River	234,727	50	21.3	9	8	5	12	6	10	
East River	541,233	123	22.7	21	22	29	24	12	15	
South Dakota YTD	775,960	173	22.3	30	30	34	36	18	25	



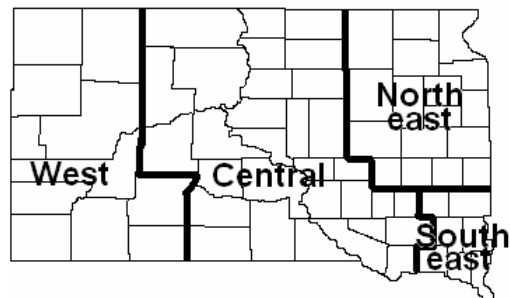
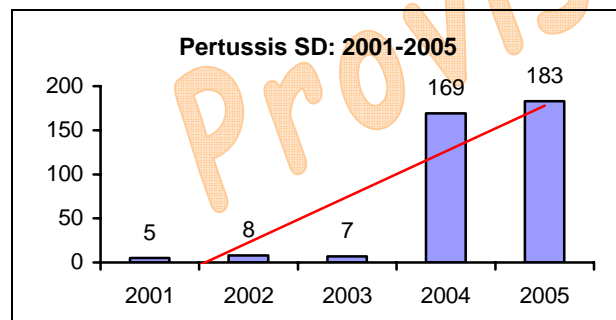
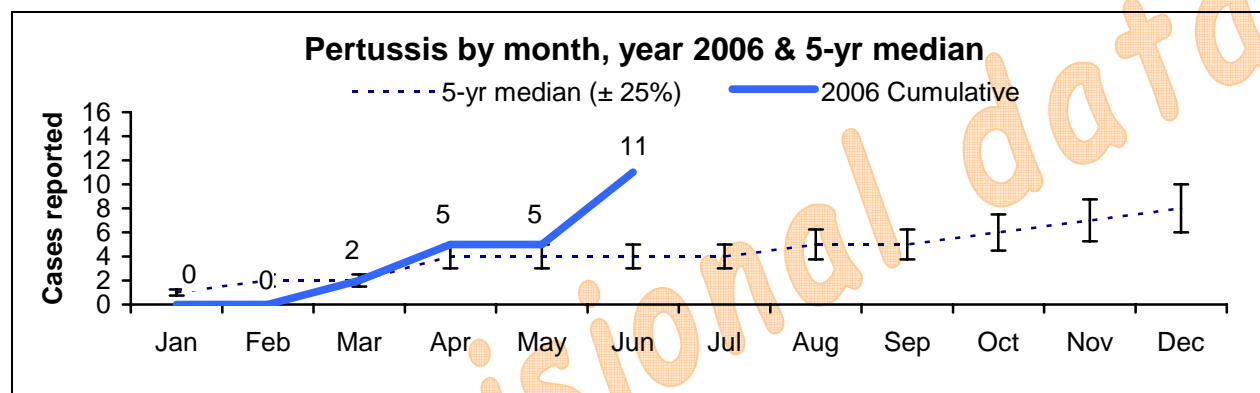
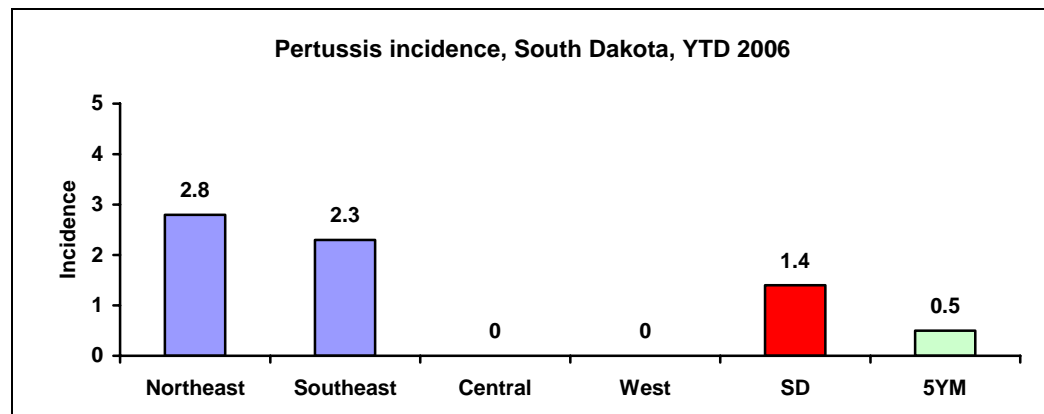
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

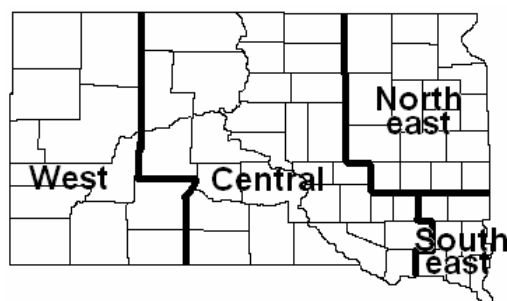
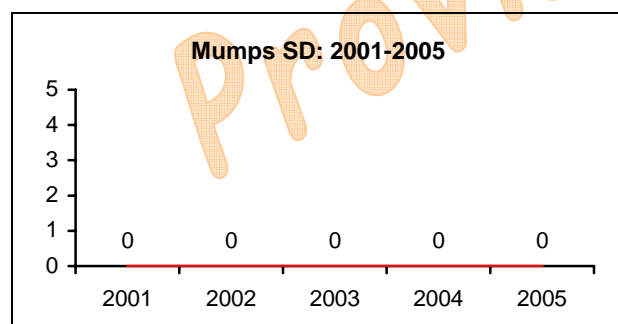
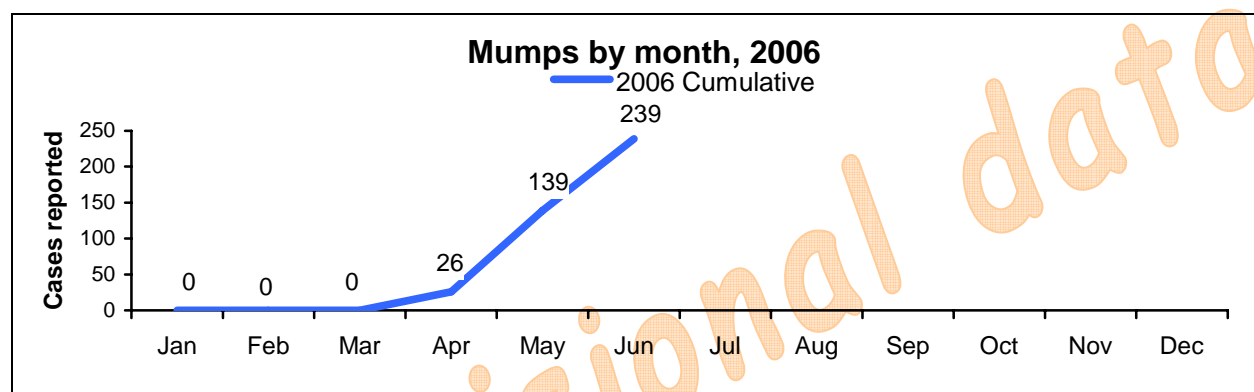
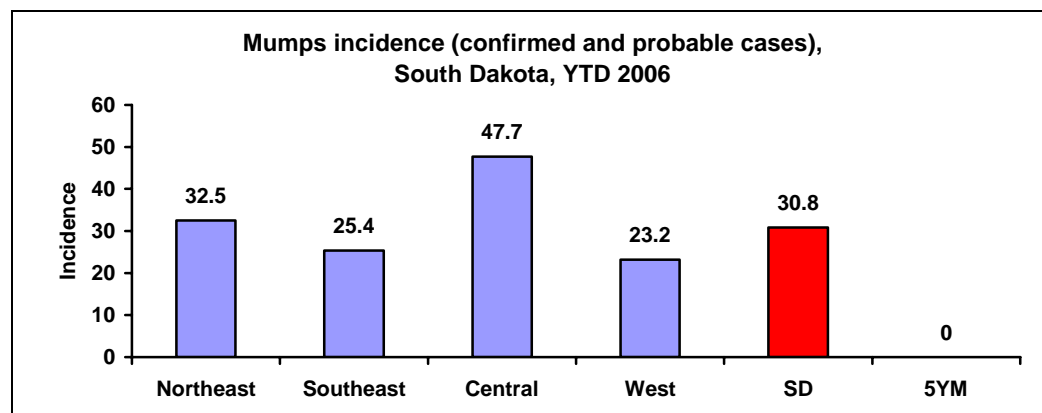
5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	5	2.8	0	0	2	3	0	0
SouthEast Region	256,093	6	2.3	0	0	0	0	0	6
Central Region	148,973	0	0.0	0	0	0	0	0	0
Western Region	189,524	0	0.0	0	0	0	0	0	0
West River	234,727	0	0.0	0	0	0	0	0	0
East River	541,233	11	2.0	0	0	2	3	0	6
South Dakota YTD	775,960	11	1.4	0	0	2	3	0	6

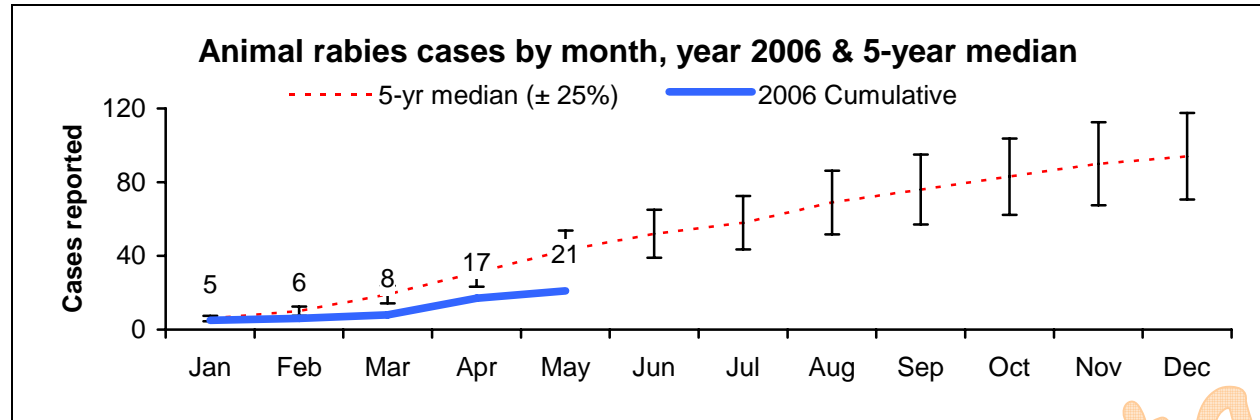


MUMPS		#			
REGION	Pop	cases	Incidence	Apr-May	Jun
NorthEast Region	181,370	59	32.5	42	17
SouthEast Region	256,093	65	25.4	55	10
Central Region	148,973	71	47.7	43	28
Western Region	189,524	44	23.2	17	27
West River	234,727	52	22.2	24	28
East River	541,233	187	34.6	133	54
South Dakota YTD	775,960	239	30.8	157	82

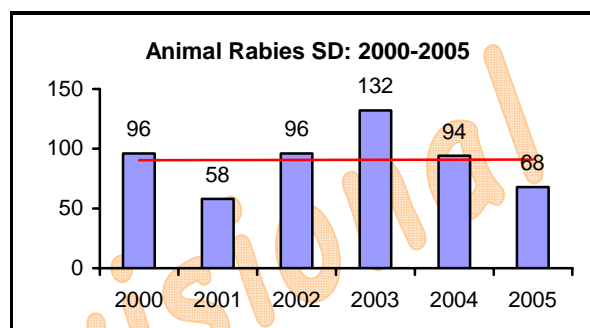


Animal Rabies in South Dakota, 1 January – 31 May 2006

<u>County</u>	<u>Rabid animals</u>	<u>County</u>	<u>Rabid animals</u>
Bon Homme	Skunk 2;	Hughes	Cat 1;
Brown	Cat 2; bovine 1;	Kingsbury	Skunk 1;
Clark	Cat 1; skunk 1;	Marshall	Bovine 1;
Clay	Skunk 2;	Meade	Skunk 1;
Day	Skunk 1;	Minnehaha	Skunk 1;
Deuel	Skunk 1;	Moody	Skunk 1;
Faulk	Skunk 1;	Stanley	Skunk 1;
Hanson	Bovine 1;	Walworth	Bovine 1;



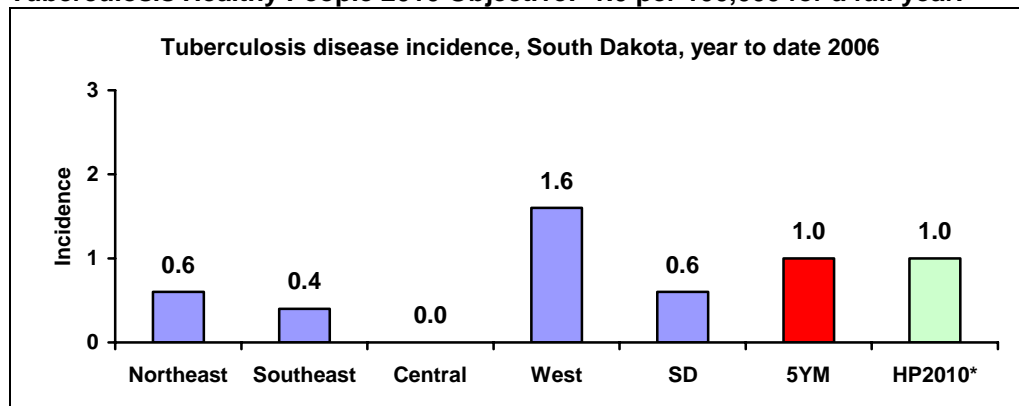
Animal	Number Positive
Bat	0
Cattle	4
Dog	0
Horse	0
Cat	4
Skunk	13
Raccoon	0
Other*	0
Total	17



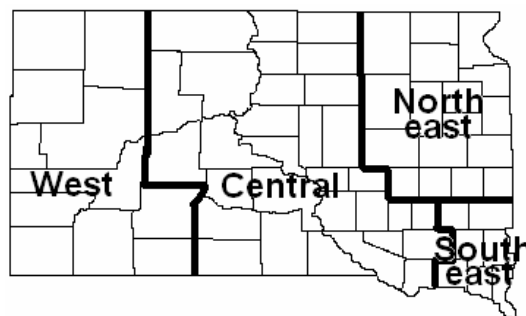
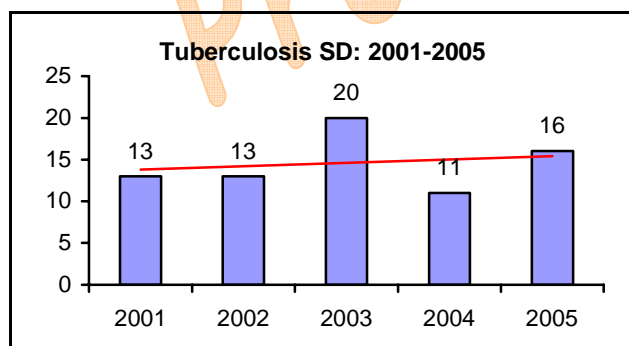
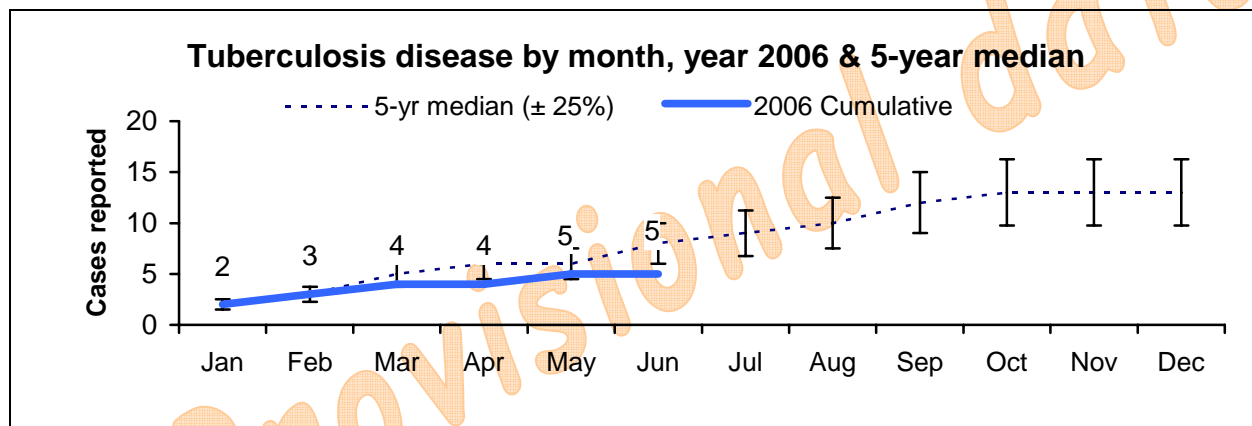
*Animals testing negative include: bat 15, beaver 1, bovine 38, cat 63, coyote 1, deer 3, dog 50, horse 5, kangaroo 1, mink 1, muskrat 3, opossum 2, prairie dog 1, rabbit 1, raccoon 24, rat 2, sheep 3, skunk 5, squirrel 1, woodchuck 1.

TUBERCULOSIS DISEASE									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	1	0.6	0	1	0	0	0	0
SouthEast Region	256,093	1	0.4	1	0	0	0	0	0
Central Region	148,973	0	0.0	0	0	0	0	0	0
Western Region	189,524	3	1.6	1	0	1	0	1	0
West River	234,727	3	1.3	1	0	1	0	1	0
East River	541,233	2	0.4	1	1	0	0	0	0
South Dakota YTD	775,960	5	0.6	2	1	1	0	1	0

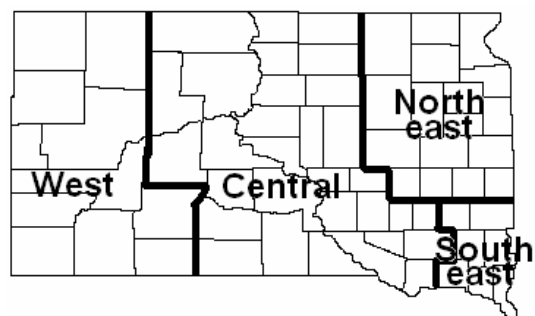
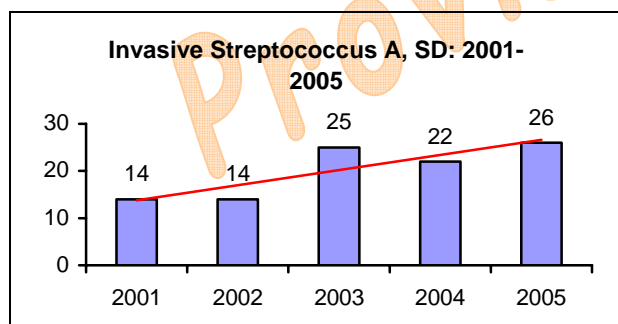
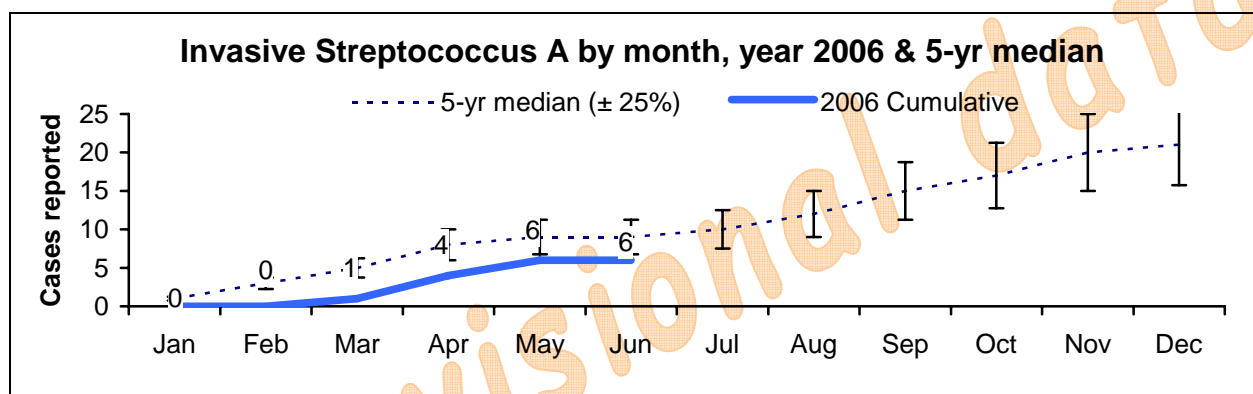
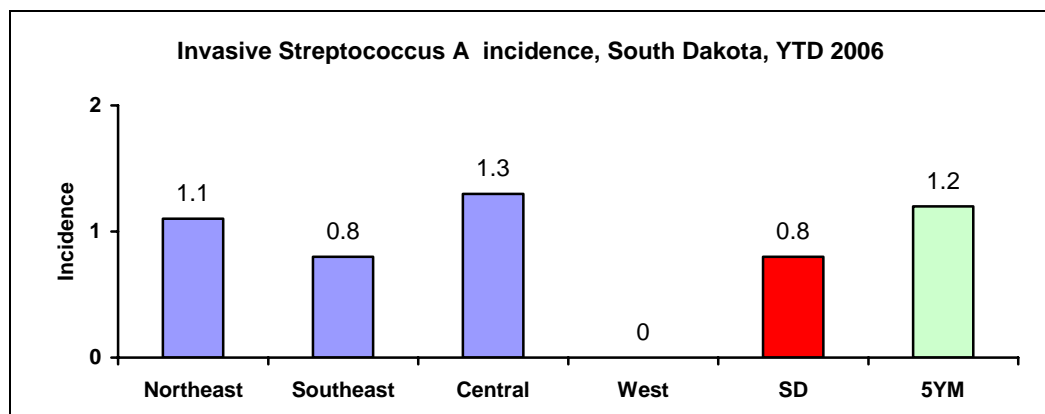
Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



STREPTOCOCCUS GROUP A, Invasive									
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	2	1.1	0	0	1	1	0	0
SouthEast Region	256,093	2	0.8	0	0	0	1	1	0
Central Region	148,973	2	1.3	0	0	0	1	1	0
Western Region	189,524	0	0.0	0	0	0	0	0	0
West River	234,727	1	0.4	0	0	0	1	0	0
East River	541,233	5	0.9	0	0	1	2	2	0
South Dakota YTD	775,960	6	0.8	0	0	1	3	2	0



Other low incidence or newly reportable diseases in South Dakota, YTD 2006

- Hepatitis A, acute 7 cases (travel related cluster [Mexico])
- Listeriosis, 2 cases
- Legionnaires disease, 4 cases (1 Northeast Region, 1 Southeast Region, 2 West Region)
- Hemolytic uremic syndrome, 1 case
- Malaria (*P. vivax*), 1 case (imported)
- Typhoid fever, 1 case (imported)
- Mumps, 165 confirmed, 74 probable, 9 suspects
- Chronic Hepatitis B: 4 cases (new reporting)
- Chronic Hepatitis C: 85 cases (new reporting)
- Streptococcus Group B, invasive. 5 cases
- Tularemia, 3 cases (all Central Region)
- Fusarium keratitis, 1 case

CHICKEN POX (varicella)		#							
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	2	1.1	0	0	1	1	0	0
SouthEast Region	256,093	16	6.2	2	2	0	11	0	1
Central Region	148,973	4	2.7	1	2	0	1	0	0
Western Region	189,524	10	5.3	6	0	0	1	2	1
West River	234,727	10	4.3	6	0	0	1	2	1
East River	541,233	22	4.1	3	4	1	13	0	1
South Dakota YTD	775,960	32	4.1	9	4	1	14	2	2

MRSA, Invasive		#							
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	2	1.1	1	1	0	0	0	0
SouthEast Region	256,093	7	2.7	0	1	2	2	0	2
Central Region	148,973	5	3.4	1	2	1	1	0	0
Western Region	189,524	0	0.0	0	0	0	0	0	0
West River	234,727	0	0.0	0	0	0	0	0	0
East River	541,233	14	2.6	2	4	3	3	0	2
South Dakota YTD	775,960	14	1.8	2	4	3	3	0	2

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

HEPATITIS A		#							
Region	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun
NorthEast Region	181,370	0	0.0	0	0	0	0	0	0
SouthEast Region	256,093	1	0.4	0	1	0	0	0	0
Central Region	148,973	1	0.7	1	0	0	0	0	0
Western Region	189,524	5	2.6	0	0	0	3	0	2
West River	234,727	5	2.1	0	0	0	3	0	2
East River	541,233	2	0.4	1	1	0	0	0	0
South Dakota YTD	775,960	7	0.9	1	1	0	3	0	2

Healthy Peoples 2010 objective is 4.5 new cases per 100,000 population

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>